

4/A

RS

8-30-01



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of  
Heung-bae LEE

Appln. No.: 09/738,900

Confirmation No. NOT YET ASSIGNED

Group Art Unit: NOT YET ASSIGNED

Filed: December 18, 2000

Examiner: NOT YET ASSIGNED

For: DIRECT-CONVERSION DEMODULATOR HAVING AUTOMATIC-GAIN-CONTROL  
FUNCTION

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

1. (Amended) A direct-conversion demodulator in a RF reception system for radio communication comprising:
  - a down mixer for mixing a received RF signal and carrier signals, and thereby converting the RF signal into baseband signals of channels I and Q;
  - a filter for filtering high-frequency components of the baseband signals of the two channels output from the down mixer;
  - a detector for detecting a gain control level corresponding to the difference obtained by comparing the levels of the baseband signals of the two channels output by the filter with a predetermined level;

09738900 0063E260